

From: [Branson, Eric](#)
To: [Sung T Kim](#)
Cc: [Don Williams](#); [Hodgson, Rich](#); [Potter, Dolly](#); [Brown, Tim](#); [Kannegieter, Byron](#); [Ganskop, Mike](#)
Subject: OSI CEMS Flow Meter 06-26-2006.bmp
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Attachments: OSI CEMS Flow Meter 06-26-2006.bmp

Sung,

Here is another trend for you to take a look at. In the attached trend, the red trace is the CEMS stack flow and the blue trace is the CA-2 EP outlet flow. The green trace is the CA-1 EP outlet flow meter. CA-1 has been shutdown for the conversion of the unit to coal firing and will not be restarted until sometime in October 2006. The flow for CA-1 should indicate between natural draft to near zero flow. The items to note about the trend are as follows,

- (1) the CEMS flow should always be less than the CA-2 EP outlet flow by about 25% due to FGR. However, the CEMS flow always shows a higher flow.
- (2) When the Calciner was low fired, the CEMS flow continued to trend along at the same value until several hours later when the flow reduced but did not go below the EP low fire flow rate.
- (3) When the Calciner was shutdown, the flow continued to remain high and never went to zero while the unit was down.
- (4) When the Calciner was restarted and operated at a lower production rate, the CEMS flow meter showed an even higher rate than before the Calciner shutdown.

Please review and let's discuss these results.

Best Regards,
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